GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:2613
ANSWERED ON:18.12.2003
CHEAPER RATE OF POWER GENERATION
HARIBHAI PARTHIBHAI CHAUDHARY;RAM TAHAL CHOUDHARY

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether there are many sources in the country through which power on cheaper rates can be generated by proper management;

(b) if so, the details thereof, State-wise/area-wise / number-wise; (

(c) whether these sources are being ignored by the Government;

(d) if so, the steps being taken by the Government in view of continuous increase in consumption/dependency of power; and

(e) the details thereof alongwith the action taken thereon?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a): On average, non conventional energy sources are less economical and more expensive when compared with conventional energy. However, non-conventional energy applications could prove to be more economical in remote areas, where grid electricity is not likely to reach.

(b): State-wise details of cumulative achievement under various non-conventional energy programmes as on 31.3.2003 are given in Annexure-I.

(c),(d)&(e): The Government is promoting harnessing of non-conventional energy sources such as solar, wind, biomass and small hydro in the country and provides financial and fiscal incentives for the same. A target of electrifying all remote villages, numbering around 18,000 in the country, by 2007 and providing electricity to all households in such villages by 2012 through various non-conventional energy sources has been set. Apart from this, a targeted power generation capacity addition of 3075 MW and installation of various decentralized/ stand-alone systems / devices for various non-conventional energy sources has been set for the 10th Plan period. The details of targets set for the 10th Plan period are given in Annexure-II.

Annexure-II

Annexure-II referred to in reply to parts(c),(d)&(e) of Lok Sabha Unstarred Question No. 2613 for 18.12.2003 regarding Cheaper rate of power generation.

Details of target set for 10th Plan period

A: Power from Renewables during 10th Plan

Source	Target (MW)
Wind Power	1500
Small Hydro Power	600
Biomass Power / Bagasse Co-generation	700
Biomass Gasification	50
Waste to Energy	80
Solar Photovoltaic Power	5
Solar Thermal Power	140
Total	3075

B: Decentralized Energy Systems during 10th Plan

System Target

Biogas Plants (Nos. in lakhs) - 10
Solar Photovoltaic Home Lighting Systems (Nos. in lakhs) - 2.5
Solar Photovoltaic Power Plant /Other Systems (MW) - 4
Solar Photovoltaic Pumps (Nos.) - 8,000
Solar Photovoltaic Generators (Nos.) - 10,000
Wind Pumps (Nos.) - 800
Hybrid Systems (kW) - 800
Solar Water Heating Systems (sq. m. collector area in lakhs) - 5
Solar Air Heating Systems (sq.m. collector area) - 5,000
Solar Cookers (Nos. in lakhs) - 2.05

C: Remote Village Electrification - Electrification of all remote unelectrified villages